

Wind Profile, Internal Friction, and Energy
Conversion in the Lower 500 Meter Level Above the
Sea, by Hains Lettau, 16 pp.

Freien
GERMAN, per, Beiträge zur Physik der Atmosphäre,
1957, pp 78-95.

ACORN I-2163
ID 122767

Sci - En Sci & Art
19 Apr 63

229.238

A Theoretical and Experimental Investigation
of the Mechanical Wind Vane, by
H. P. Bartholt, G. H. Ruppertsberg.
GERMAN, per, Beiträge Zur Physik der
Atmosphäre, Vol XXIX, 1957, pp 154-185.
F200063466 n U. S. GOVERNMENT USE ONLY
NSIC-575

Sci-Physic
Nov 66

312,298

On the Binard Flow in Aerosols, by H. Tippelskirch.

GERMAN, per, Beitrage Zur Physik der Atmosphere,
Vol XXIX, No 3, 1957, pp 219-233:

AFCRL Rec L.H.
* ~~American Meteorological Society~~
~~45 Beacon Street~~
~~Boston 8, Mass.~~

Sci - Phys

Jul 62

Natural Radioactivity in Ground, Water, and Air,
by H. Israel, 20 pp.

GERMAN, per, Zeitschrift Physik Atmosphäre, Vol XXX,
1958, pp 177-188.

ABC WP 125

Sci - Geophys

Oct 58

74,600

Methods of Measuring the Artificial Radio-
activity in the Atmosphere, by G. Schumann, 14 pp

SCHUMANN, G., Beitr Physik Atmosphere, Vol XXX,
1958, pp 189-199.

AEC/EP 146

Bic + Phys

Nov 58

76,458

Observations of Radioactive Clouds From Atomic Tests in Relation to Atmospheric Transport and Exchange Problems, by A. Sittins, 13 pp.

GERMAN, per, Beitr Physik Atmosphere, Vol XXX, 1958, pp 200-205.

ANC TT 776

Sci - Geophys
Feb 59

81,315

The Design Principles of Instruments for Monitoring
Radioactivity and Details of the Monitoring Network of
the German Meteorological Service, 7 pp. *Copy 1/2*

GERMAN, per, Beitr Physik Atmosphere, Vol XXI, 1958,
pp 207-210. *514 909 1183*

AND 77 777

Sci - Geophys
Feb 59

81, 316

Practical Experience with the Monitoring Equipment of the
German Meteorological Service, by F. Becker, 7 pp.

GERMAN, per, Beitr Physik Atmosphere, Vol XXX, 1958,
pp 211-214.

AMS-77-778

Not for release

Sci - Electron
Feb 59

81,279

On the preferred Occurrence of the Hexagonal
Cell Structure in the Fluid Convection
Currents over a Uniformly Heated Surface,
by Jurgen Zierep.

GERMAN, per, Beitrage zur Physik der Atmo-
sphere, Vol XXXI, 1958, pp 31-39.
Dept of Navy Tr 4360/NRL No 1037

Sci - Elec
Dec 65

292,785

On the Behavior of the Decay Products of
Radon in the Atmosphere, by W. Jacobi,
A. Schraub, 82 pp.

GERMAN, per, Beitrage zur Physik der Atmosphare,
Vol. XXXI, 1959, pp 244-327.

Navv Tr 3519/MIL 943

Sci - Earth Sci & Astron
Sep 63

344,160

The Boundary Conditions at the Earth's Surface
During Atmospheric Diffusion Processes, by
F. Hippelmann, 17pp

GERMAN, Jber, Beitrage zur Physik der Atmosphare,
Vol. XXXIII, No. 1,2, 1959, pp 43-52. 9689736.

Recessed Coll Res Lang Rix Ctr
B-T-6-63 - 26

246,197

Sci - Earth Sci & Ast
Jun 64

Cloud Series Photographs IV - A Symmetrical
Cumulonimbus, by E. H. Knoll, H. G. Neumann,
J. H. Kruse, 17 pp.

CHERNAN, per, Beitrage zur Physik der Atmosphare,
Vol XXXII, No 1/2, 1979, pp 65-77.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophysics
JAN 61

136,255

Evaluating Cloud Photographs Using Electronic
Computers, by H. Schulz, 7 pp.

GERMAN, pod, Beiträge zur Physik der Atmosphäre,
Vol XXXII, No 1/2, 1959, pp 78-83.

Amer Meteorol Soc
AF Cambridge Res Center

Sci. - Geophysics
Jan 61

136,256

Investigating the Kinetic Energy of Turbulent Currents
Using Weighted Averages, by F. Wippermann, 12 pp.
GERMAN, per, Beitrage zur Physik der Atmosphere,
Vol XXXIII, No 3, 4, 1961, pp 225-231. 9692007
Ernstmanuel Coll Res Lang Ctr
E-T-G-63-28

Sci - Phys
Apr 64

253,399

A Thunderstorm in Calm Air, by J. H. Reuss, 23 pp.

GERMAN, par, Beitrage zur Physik der Atmosphare, 12 XXXI
No 34: 259-273, 1961.

9677013

9676606

AMEIK

Amer Meteorol Soc T-G-181
AFCHL Res Lib 62-841

Sci - Geophys
Nov 62

216, 855

The Radiation-Optical Theory of Scintillation,
by H. Scheffler, 35 pp.

GERMAN, ~~ppr~~, ~~Beitrag zur Physik der Atmosphäre~~,
Vol XXXIV, 1961, pp 198-233.

ADSI X-2668
ED 2235110

Sci - Phys
Aug 63

543,350

An Apparatus for the Measurement of Natural and
Artificial β -Activity of the Air, by Hartmut Siemann,
10 pp.

GERMAN, per. ~~Beitrage zur Physik der Atmosphäre,~~
Vol XLIV, 1962, pp 79-86. 9669475

Envy 'tr 3428/REL 9387

Sci - Phys
Jul 63

235,766

Cloud Observations Using a Double-Wave Radar
Apparatus, by H. Borchardt.

GERMAN, per, Beitrage zur Physik der Freien
Atmosphere, Vol XXXV, 1962, pp 43-68.

*AF/CRL Res Lab for
Amer Meteorol Soc

Sci - Earth Sci & Astron
10 Apr 63

Aerosol Distribution and Atmospheric Light Scattering,
by R. W. Fenn.

GERMAN, per, Beitraege zur Physik der Atmosphaere,
Vol 37, No 2, 1964, pp 69-104.

NTC-71-10520-04A

Nov 71

Plume Rise, by Hans Rauch.
GEMMAN, per. Beitrage zur Physik der Atmos.
Vol 57, No 2, 1964, pp 132-158. P911004466
AEC ORNL-tr-1209

Sci/Earth Sci
Aug 66

306,360

Quantitative Determination of the Absorption
at Ground Level of a Gas Propagating in
Turbulent Flow, by F. Wippermann,
GERMAN, per, Balt. Phys. Atmos., Vol XXXVII,
1964, pp 174-182.
AEC ORNL-tr-996

Sci-Phys
May 67

326,244

ordered from NTC

NEIHALNE ZUM MYSTIA UEN ATMOSPHERE
1964 VOT PHEX-EDD NP-1H-1778 (C) VA

Methods of Measuring Temperature With
Thermistors and Diurnal Variations in
Leaf Temperature of Evergreen Maqui
Plants in Southern France, by K. Krieb.
GERMAN, per, Beitrage zur Phytologie,
1964, pp 1-8.
CSIRO/No 7521

Sci -
Jul 67

333,933

Genetic and Physiological Bases of Development of
Annual Aspects of Plant Societies, by
Klaus Napp-Zinn. 21 pp.
GERMAN, per, Beitrage zur Phytologie, Vol 30, 1964
pp 33-49.
Dept of Navy tr 5390 ONI 2395

Sci/BAW
Jul 67

329,374

Determination of the Characteristics of a
Plasma Jet Emerging Into the Free Atmosphere,
by W. Neumann.

GERMAN, per, Beitraege aus der Plasmaphysik,
Vol 1, No 2, 1960, pp 119-125.

NTC-71-11755-201

FTD-77-62-941 11/74 9678060

Feb 72

Cathode Fall Theory, by E. Hantzsch.
GERMAN, per, Beitr. Plasma Physik, Vol 1,
1960-1961, pp 179-201.
BISI 4553

HE-Germany
Sci/HQM
Feb 66

294,662

CHANGES IN STATE IN ISOTHERMAL ARGON-PLASMA,
BY F. KUEMMEL, 12 PP.

GERMAN, PER, BEITRAGE AUS DER PLASMA PHYSIK,
VOL 1, NO 4, 1960-1961, PP 236-244. 9677450

FTD-TT-62-438

SCI-PHYS

10 JUL 62

202,214

Electron Mobility in Mercury Vapour Plasma, by E.
Hayess, K. Wojacek.
GERMAN, per Beitr. plasmaphys. Pt. 2, 1963, pp 75-89
GB 201/R/65/2320

Sci ~
Aug 67

339-681

Magneto-hydrodynamic Generators of the Hall Type
by L. Rothhardt. 11 pp
GIERMAN, per, Beitrage Aus Der Plasmaphysik,
Vol 4, No 1, 1964, pp 33-39. P100011066
FTD-TT-DS-1825

Sci/Electronics
Sep 66

309,336

On the Magnetohydrodynamic Description of
Plasma Waves of Small Amplitude, by J. Wilhelm.
GERMAN, per, Beitraege aus der Plasmaphysik,
Vol 4, No 1, 1964, pp 111-123.
NTC-71-11461-201

FTD-TT-65-375 16 pp 9699407

Nov 71

Reflex Cervical Ocular Jerks of Vestibular Oscillating Form, A Typical Occurrence in Absolutely, or Almost Absolutely Labyrinthless Patients (Non-Stimulable Patients), by Hermann Frenzel. 8 pp. GERMAN, per, Beitrage zur Praktischen und Theoretischen Hals-, Nasen- und Ohrenheilkunde, Vol 28, No 3/4, 1931, pp 305-310.
SLA TT-61-16040

Sci/B&M
Jun 67

327,774

Experimental Studies of Damage to the Hearing Apparatus by Nicotine and Alcohol, by Anna Kostenci, 23 pp.

GERMAN, per, Beitrage zur Praktischen und Theoretischen Hals-, Nasen- und Ohrenkunde, Vol XXXI, 1935, pp 451-473.

NIH 2-35-64 (Loan)

Sci - Biol & Med
Apr #64

Contribution to the Gravity Correction of Direct
Leveling, by Heilmut Bodemuller.

GERMAN, per, Beitrag zur Schwerekorrektur Geometrischer
Nivellimente, Series A, No 26, 1957, 204 pp.

ACIC

Sci - ^{Environ} Ges
Nov 61

173, 417

The Morphology of Various Connective Tissue Fibers With
Special Consideration to Collagen, by W. Schwarz,
15 pp.

GERMAN, per, Beitrage zur Silikose-Forschung.

NIH Tr 5.21

Sci - Med

48,034

May 57

Electron Microscopic Studies on the Wall Structure of
Pulmonary Alveoli, by H. Dettmer, 28 pp.

GERMAN, per, Beitrage zur Silikose-Forschung, No 45.

NIN Tr 5-17

SLA 57-1434

48,030

Sci - Med

May 57

Genesis and Spatial Arrangement of the Intercellular
Substance of the Connective Tissue and Its Relation
to the Activity of Connective Tissue Cells, by N.
Dettmer, 39 pp.

GERMAN, per, Beitrage zur Silikose-Forschung, pp
185-201.

RUE Tr 5-18

Sci - Med

48,031

May 57

THE CARBOHYDRATES OF THE CONNECTIVE TISSUE, BY
HELMUT NORMANN, L3 PP.

GERMAN, PER, BEITR Z SILIKOSEFORSCH, 1958, PP 619-
643.

NIH 5-10-62

SCI - EBIOL

207,825

AUG

Electron Microscopy Findings in Embryonic,
Differentiating and Proliferating Connective Tissue,
by Rotmund Glaszok.

(HIRMANN, per, Beitrage Silikose-Forschung,
Vol. IV, 1960, pp 249-263.

HRH 1-94-63

Sci - Biol/Med Sci

May 63

232,104

Fibrillogenesis in Various Connective Tissue
Forms of the Human Embryo, by W. Schwarz,
H.-J. Marker.

GERMANY, per, Beitrage Stillborn-Forschung,
Vol IV, 1960, pp 277-287.

NIE 1-32-63

Sci - Biol-Med Sci

May 63

232,090

Effect of Potassium Permanganate on Collagen,
by T. Momotshok,
GHEIDAN, per, Beitr Silikoseforsch Special Vol:
Grundfragen der Silikoseforschung, Vol V, 1963,
pp 217-233.
IDEM-NIH-5-46-66

Sci-B&N
Jan 67

316,904

Contribution to the Statics of a Torsionless Grillage,
by Z. Hiba, 23 pp.

GERMAN, rpt, Beitrag zur Statik des Drillweichen
Tragerrostes.

Dept of Modern Languages
North Carolina State College

Sci
Feb 64

J-109/60

(DC-3406).

A Study on the Identification of Systems in
Typewriters -- Guide to the Identification of Type-
writer Systems on the Basis of the "Elite" Type,
by Josef Haas, 20 pp.

GERMAN, bk, Ein Beitrag zur Systembestimmung von
Schreibmaschinen -- Anleitung zur Bestimmung des
Schreibmaschinensystems an Hand der "Elite" -
Schriftart, 1959, pp 63-87.

JPRS 3086

110,545

Orig - Germany
Doc - Technical

Mar 60

Bethmann, M. von, Lipp, G., and Nooy, H. van.
 MOISTURE DETERMINATION IN TOBACCO, Lecture:
 Coresta Symposium, Aug 60, supplemented Oct 60.
 [1963] 25p. 3 refs.
 Order from SLA \$11.60

63-16621

Trans. of Beiträge zur Tabakforschung [sic] 1961, no. 1,
 p. 19-29.

DESCRIPTORS: *Moisture, *Tobacco, Distillation,
 Benzene.

The methods which are presently customary for the
 determination of tobacco moisture are compared. Re-
 sults of investigations follow which were obtained by
 means of the distillation method with the use of various
 distilling agents. Distillation with benzene under stand-
 ard conditions is proposed as a standard method of
 moisture determination for calibration and laboratory
 (Chemistry--Analytical, TT, v. 10, no. 8) (over)

63-16621

- I. Bethmann, M. von
- II. Lipp, G.
- III. Nooy, H. van
- IV. Title: Coresta ...

Office of Technical Services

Seehofer, F. and Lorenz, H. W.
CURING CHAMBER WITH AIR CIRCULATION.

[1962] 6p.

Order from K-H \$7.50

K-H 11033-c

Trans. of Beiträge zur Tabakforschung [sic] 1961,
no. 2, p. 35-38.

DESCRIPTORS: *Tobacco, *Aging, Air.

(Agriculture--Plant Cultivation, TT, v. 8, no. 8)

62-17624

- I. Seehofer, F.
- II. Lorenz, H. W.
- III. K-H-11033-c
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Hjorn, L.
APPLICATION OF THE SILVER DIETHYLDTMO-
CARBAMATE METHOD FOR THE DETERMINATION
OF ARSENIC IN TOBACCO. [1962] 14p.
Order from K-H \$17.50 K-H 11401d

Trans. of Beitrage zur Tabakforschung] [sic] 1961,
no. 3, p. 75-81.

DESCRIPTOR: *Determination, *Arsenic, *Tobacco,
Chemical analysis, *Carbamates.

(Chemistry--Analytical, TT, v. 8, no. 7)

62-17374

63-16910

- I. Hjorn, L.
- II. K-H-11401d
- III. Kruege-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Groh, Kurt.
SOME EXPERIENCES WITH THE ANALYTICAL
DETERMINATION OF QUALITY IN DOMESTIC
SWISS TOBACCO. Paper presented at Coresta
Symposium, Istanbul, Aug 60. [1963] 7p. 5-refs.
Order from SLA \$1.10 63-16663

Trans. of *Beitrag zur Tabakforschung* [sic] 1961,
no. 1, p. 15-18 [Abstract in Cooperation Centre
for Scientific Research Relative to Tobacco, Bulletin
d'Information (France) 1961, no. 1, p. 89-91].
Another trans. is available from SLA \$1.10 as
63-14370 [1963] 3p.

DESCRIPTORS: *Tobacco, Chemical analysis,
Acceptability, *Taste, Switzerland.

(Chemistry--Analytical, TT, v. 10, no. 9)

63-16663

I. Groh, K.
II. Title: Coresta ...

Office of Technical Services

Waltz, P., Hausermann, M., and Nyari, E.
EXPERIENCES WITH A MACHINE FOR THE SIMUL-
TANEOUS SMOKING OF SEVERAL CIGARETTES.
[1962] 17p.

Order from K-H \$21.25

K-H 11411 (5)

Trans. of Beiträge zur Tabakforschung [sic] 1961,
no. 3, p. 83-91.

DESCRIPTORS: *Cigarettes, Smokes, Machines.

(Chemistry--Analytical, TT, v. 8, no. 8)

62-17667

- I. Waltz, P.
- II. Hausermann, M.
- III. Nyari, E.
- IV. K-H-11411 (5)
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Barkemeyer, H. and Seehofer, F.
ON A NEW METHOD FOR THE PRECIPITATION OF
TOBACCO SMOKE IN LIQUIDS. [1962] 5p.
Order from K-H \$6.25

(A110)SLA 63-1662.0
K-H 11411-1
Trans. of Beiträge zur Tabakforschung [sic] 1961, no. 3,
p. 93-96.

DESCRIPTORS: Precipitation, *Tobacco, *Smokes,
Liquids.

(Chemistry--Analytical, TT, v. 8, no. 7)

62-17791

- 62-1662.0
I. Barkemeyer, H.
II. Seehofer, F.
III. K-H-11411-1
IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Grob, K.
DETERMINATION OF THE PH VALUE AND BUFF-
ERING CAPACITY OF CIGARET SMOKE AS A ROU-
TINE METHOD. [1962] 5p.
Order from K-H \$5.25

(A 110) SLA 62-16660
K-H 11411-3
Trans. of Beiträge zur Tabakforschung [sic] 1961,
no. 3, p. 97-100.

DESCRIPTORS: Tobacco, *Smokes, *Cigarettes, Hy-
drogen ion concentration, Buffers.

SLA TT-62-18425(4pp-1110)

(Chemistry--Analytical, TT, v. 8, no. 7)

62-17365

62-16660

- I. Grob, K.
- II. K-H-11411-3
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

62-17381

Hoffman, D. and Wynder, E. L.
THE QUANTITATIVE DETERMINATION OF PHENOLS
IN TOBACCO SMOKE. [1962] 10p.
Order from K-H \$12.50

K-H 11411-4

Trans. of Beitr. zur Tabakforschung [sic] 1961.
no. 3, p. 101-106.

DESCRIPTORS: *Phenols, Determination, *Tobacco,
*Smokes, Cigarettes.

(Chemistry--Analytical, TT, v. 8, no. 7)

- I. Hoffman, D.
- II. Wynder, E. L.
- III. K-H-11411-4
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

62-16325

Grimmer, G.
A METHOD FOR THE DETERMINATION OF 3,4-
BENZO-PYRENE IN TOBACCO-SMOKE CONDENSE-
TION. [1962] 19p. SLA 63-16658
Order from K-H \$23.75 K-H 11411-2

Trans. of Beiträge zur Tabakforschung [sic] 1961,
no. 3, p. 107-116.

DESCRIPTORS: *Benzopyrenes, *Tobacco, *Smokes,
Cigarettes.

(Chemistry--Analytical, TT, v. 8, no. 7)

62-17362
63-16658
I. Grimmer, G.
II. K-H-11411-2
III. Kreage-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Lorenz, H.-W. and Seehofer, F.
ELECTRICAL RESISTANCE DETERMINATION OF
TOBACCO AS A MEANS OF DETERMINING ITS
MECHANICAL CHARACTERISTICS. [1963] [14p]
Order from SLA \$1.40 TT-64-10628

Trans. of Beitr[age zur] Tabakforsch[ung] 1961,
no. 4, p. [23-33].

(Biological Sciences--Botany, TT, v. 11, no. 11)

TT-64-10628

I. Lorenz, H.-W.
II. Seehofer, F.

Office of Technical Services

1. Description of the device
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Trans. of the German Tobacco Research [sic] 1962,
no. 5, p. 147-191.

DESCRIPTION: *Tobacco, *Smokers, Machines,
Laboratory equipment, Automatic.

(Literature: Analytical, TT, v. 5, no. 8).

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Office of Technical Services

Deppe, K. and Seehofer, F.
PHOTOMICROGRAPHS ON THE HISTOLOGY AND
ANATOMY OF TOBACCO. [1962] 4p.
Order from K-H \$5.00 K-H 11816d

Trans. of Beiträge zur Tabakforschung [sic] 1962,
no. 4, p. 171-175.

DESCRIPTORS: *Microphotography, *Histology, Anat-
omy, *Tobacco.

(Agriculture--Plant Cultivation. TT, v. 8, no. 7)

62-17931

- I. Deppe, K.
- II. Seehofer, F.
- III. K-H-11816d
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

TT-64-14534

Rochus, W.
FUNDAMENTAL CONSIDERATIONS ON THE CHEMICAL COMPOSITION OF TOBACCO SMOKE AND ITS DEPOSITION PRODUCTS. [1962] 20p. (figs. omitted)
Order from SLA \$1.60 TT-64-14534

I. Rochus, W.

Trans. of Helvige zur Tabakforschung [sic] 1962, no. 5, p. 155-164.
Another trans. is available from K-H \$25.50 as K-H-11816-b [1962] 20p.

(Chemistry--Analytical, TT, v. 11, no. 11)

Office of Technical Services.

62-17603

Rochus, W.
A NEW MECHANIZED SMOKING AND SMOKE-
DECOMPOSITION DEVICE FOR THE RECOVERY
OF "NATIVE" TOBACCO TAR. [1962] 8p.
Order from K-H \$10.00 K-H-11816-c

Trans. of Beitrage zur Tabakforschung [sic] 1962,
no. 5, p. 165-169.

DESCRIPTORS: *Tobacco, Coal tar, *Smokes, De-
composition, Machines, Laboratory equipment.

(Chemistry--Analytical, TT, v. 8, no. 8)

- I. Rochus, W.
- II. K-H-11816-c
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Deppe, K. and Seehofer, F.
THE ADHESION MECHANISM OF CONIDIOSPORES
OF PERONOSPORA TABACINA ADAM. [1962] 4p.
Order from K-H \$5.00 K-H 11816a

Trans. of Beiträge zur Tabakforschung [sic] 1962,
no. 5, p. 177-180.

DESCRIPTORS: *Mildew, *Spores, Adhesion.

(Biological Sciences--Microbiology, TT, v. 8, no. 7)

62-17930

- I. Title: Peronospora
- I. Deppe, K.
- II. Seehofer, F.
- III. K-H-11816a
- IV. Kresge-Hooker Science
Library Associates, Detroit,
Mich.

Office of Technical Services

Klein, U. E.
PULMONARY TISSUE TRANSFORMATIONS BY
TOBACCO SMOKE CONDENSATE IN ANIMAL
EXPERIMENTS. [1963] 12p. (figs. omitted) 23 refs.
Order from SLA \$1.60 63-16655

Trans. of *Bildung zur Tabakforschung* [etc] 1962,
no. 5, p. 180-185.

DESCRIPTORS: Tissues (Biology), *Lungs, *Tobacco,
*Smokes, Laboratory animals, Toxicity, Cigarettes.

After an introductory literature survey on the question
of inducing lung cancer in animal experiments by the
direct inhalation of tobacco smoke or by intrapulmonary
application of smoke condensates, a method is described
for the single pertracheal introduction of smoke con-
densate into the peripheral sections of the bronchial
system of rats. A histological examination of the lungs
(Biological Sciences--Toxicology, TT, v. 10, no. 7)(over)

63-16655

I. Klein, U. E.

Office of Technical Services

UNIFORM SPECIFICATIONS FOR THE ANALYSIS OF
TOBACCO SMOKE. [1962] 6p.
Order from K-H \$7.50 K-H 11816.1

Trans. of Beiträge zur Tabakforschung [sic] 1962,
no. 5, p. 196-198.

DESCRIPTORS: Standards, *Chemical analysis,
*Smokes, Cigarettes, *Tobacco.

(Chemistry--Analytical, TT, v. 8, no. 7)

62-17767

- I. K-H-11816.1
- II. Kresge-Hocker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Hausermann, M. and Waltz, P.
A RAPID SPECTROPHOTOMETRIC METHOD FOR
THE DETERMINATION OF CHLOROGENIC ACID
AND RUTIN IN TOBACCO. [1962] 19p.
Order from K-H \$23.75 K-H-12359 n

Trans. of Helv. Ges. Tabakforschung [sic] 1962,
no. 7, p. 275-284.

DESCRIPTORS: *Tobacco, *Vitamin P, *Chlorogenic
acids, *Spectrophotometers, Chemical analysis.

CSIRO/NO 8020

(Chemistry--Analytical, TT, v. 19, no. 8)

63-12900

- I. Hausermann, M.
- II. Waltz, P.
- III. K-H-12359 a
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Grob, Kurt.
GAS CHROMATOGRAPHY OF CIGARETTE SMOKE.
PT. 1. A METHOD FOR THE ROUTINE ANALYSIS
OF THE GAS-VAPOR PHASE. [1963] 10p. (1 fig.
omitted). 7 refs.
Order from SLA \$1.10

63-14394

Trans. of Beiträge zur Tabakforschung [sic] 1962,
no. 7, p. 285-290.

DESCRIPTORS: *Gas chromatography, *Cigarettes,
*Smokes, *Tobacco, Chemical analysis, Quality
control.

A much simplified method for the gas chromatography
of the vapour-gas phase of tobacco smoke is described.
It employs thermal conductivity detectors and involves
an accumulation stage for the smoke condensate. The
significant simplification consists in the condensation
in dry ice in a cold trap especially developed for the
(Chemistry--Analytical, TT, v. 10, no. 6) (over)

63-14394

I. Grob, K.
II. Method...

8/2.50 K-H 125396

Office of Technical Services

Grimmer, G.
SEPARATION OF A CONDENSATE FROM CIGA-
RETTE SMOKE INTO HYDROCARBONS, PHENOLIC,
ACIDIC, BASIC, AND NEUTRAL FRACTIONS. [1963]
14p. 3 refs.
Order from SLA \$1.60

63-14393

Trans. of ~~Berichte zur Tabakforschung~~ [sic] 1962,
no. 7, p. 291-297.

DESCRIPTORS: Separation, *Cigarettes, *Smokes,
Carbohydrates, Phenols, Acids, *Distillation.

An account is given of an analytical separating proce-
dure for condensate from cigarette smoke. The con-
densate is separated into a hydrocarbon fraction, an
acid fraction (phenols and acids), a basic fraction, and
a neutral fraction (without hydrocarbons). The fraction-
ation of the condensate is effected by partition between
different solvents and adsorption on a basic exchanger
(Chemistry--Analytical, TT, v. 10, no. 5) (over)

63-12902
63-14393
1. Grimmer, G.

Office of Technical Services

Miller, J. E.
DETERMINATION OF THE SMOKE COMPONENTS
IN PIPE TOBACCO WITH THE USE OF A NEW PIPE
SMOKING MACHINE. [1962] 12p.
Order from K-H \$15.00 K-H 12539 d

Trans. of Beitr. zur Tabakforschung [sic] 1962,
no. 7, p. 298-304.

DESCRIPTORS: Machines, Test equipment, *Tobacco,
*Smokes, Chemical analysis.

(Chemistry--Analytical, TT, v. 10, no. 8)

63-12903

I. Miller, J. E.
II. K-H-12539 d
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

63-12899

Hubachen, L.
INFLUENCES OF ATMOSPHERIC PRESSURE AND
TEMPERATURE ON THE RELATIVE HUMIDITY.
[1962] 3p.
Order from K-H \$6.25 K-H-12539 e

Trans. of Beitrage zur Tabakforschung [sic] 1962,
no. 7, p. 305-306.

DESCRIPTORS: *Humidity. *Barometric pressure.
*Atmospheric temperature.

(Earth Sciences--Meteorology, TT, v. 10, no. 8)

I. Hubachen, L.
II. K-H-12539 e
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

STANDARD METHODS FOR THE ANALYSIS OF
TOBACCO AND TOBACCO SMOKE. [1962] 17p.
Order from K-H \$21.25

K-H 12539 f

Trans. of Beiringgaard zur Tabakforschung [etc] 1962,
no. 8, p. 307-314.

DESCRIPTORS: *Tobacco, *Smokes, Test methods,
Chemical analysis, Cigarettes.

(Chemistry--Analytical, TT, v. 10, no. 8)

63-12904

1. K-H-12539 f
H. Kroeg-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Phenolic Constituents of Tobacco and Tobacco Smoke, by
K. Hermann.

GERMAN, per, Beitraege zur Tabakforschung, vol. 2,
no. 5, 1964, pp. 159-179.

NTC 70-17077-06A

CSIRO / No. # 8026

1100 (SCL-T-710329) 1CONTRIBUTION TO THE TECH-
NOLOGY OF TANTALUM-TUNGSTEN ALLOYS. 4Braun, H.:
Kloffer, R.; Sedlatschek, K. 10Translated for Sandia Labs.,
Livermore, Calif., from 11Beitrag zur Technologie der Tantal-
Wolfram-Legierungen pp 264-76 of 11Beitrag zur Technologie
der Tantal-Wolfram-Legoerungem. 1958. 2020p. 24Dep. NTIS.

25metallurgy; translations 2711F

28NN-25 29P NSA

Ethnographic Background Information of South
America, 94 pp. GOVERNMENT USE ONLY
GERMAN, per, Beitrage zur Voelkerkunde Suedamerikas,
1964.

DC-12391

Jun 66

303,630

Ethnographic Background Information on
South America, by Eduardo Calvao, Mario F. Simoes,
Anton Lukesch, Ingrid Wustmann, Florestan
Fernandes, 91 pp.

GOVERNMENT USE ONLY

GERMAN, rpt, Beitraege zur Voelkerkunde
Suedamerikas, 1964, pp. 131-151; 195-198;
331-352; 79-96.
JPRS 000 2164

LA-Brazil

Soc

Oct 66

312,445

ON THE HOT TREATMENT OF SULPHURIC ACID SPENT
PICKLE LIQUORS, BY F. J. HEINRICH.

GERMAN, PER, BEIZTECHNIK, MAR 1955, PP 36-39.

BISI 2701

SCI - CHEM

AUG 62

LIST 142

206,193

The Electrolytic Regeneration of Sulfuric Acid Iron
Pickle Solutions, by H. Hohn, E. Pfitzer, G. Jangs,
19 pp.

GERMAN, per, Beistechnik, Vol VI, 1957, pp 109-113.

q

AEC Tr 3204

Sci - Chem

May 58

64,820

(FDD 26112)

Cold Light, the Light of the Future, by György
Kobanyai, 7 pp.

HUNGARIAN, ⁷ per, Bakess Szabadis ag, No 24,
Budapest, Mar 1955, p 10.

CIA/FDD/U-7628

ESur - Hungary

Sci- Electronics
CTB 75/Dec 55

30,569

(COPYRIGHT)

We Protest!, 5 pp.

HUNGARIAN, per, Beke es Szabadseg, No 6, 1956.

⁸AID/Mar 56

EE - Hungary
Political

39, 216

Research on the Liege Low Shaft Furnace in 1959,
FRENCH, rpt, Belgique ONCA Haute Arterite-Franche,
1961.

~~SECRET~~

~~INT. SEC./T R45~~

Sci
Soc
Eng
Jan 63

220,866

Belgium and Belgian Congo. National Committee of
Geodesy and Geophysics. Geodetic Works Accomplished
From 1939 to 1953.

FRENCH, rpt, Belgique et Congo Belge. Comite
National de Geodesie et de Geophysique. Travaux
Geodesiques Executes de 1939 a 1953, Sept 1954.

ACIC

TC-433a

Sci - Earth Sci & Astron
Sept 64

266,439

Letter to the Editor, by E. Van der Linden, 1951.
JOURNAL, 1951, Belgique d'Interesse, No 301, 1951.
pp 210, 211. (Call No BT641.R45, Eng Fr)

AMS

LA - Group
Econ
d. 61

136,559

Exhaust Gas Chromatography, by J. van Rysselberge,
J. Voerman.

FRANCE, par, Belgeische Chemische Industrie,
Vol. VI, 1961, pp 760-767.

BIBI 3396

243,457

Sol. - Chem
Dec 63

Cancer of the Lung, by R. Kortweg, 13p.
Belgian, per, Belgisch Tijdschrift voor Geneeskunde,
1953, vol.9, pp.9-16.
K-H-2854 b

B/M
Aug 66

306589

Cancer of the Lung, by R. Korteweg, 13p.
BELGIAN, per, Belgisch Tijdschrift voor Geneeskunde,
1953, vol. 9, pp.145-152.
K-H-2840 d

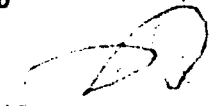
B/M
Aug 66

306, 990

Osteoarthropathy, Gynecomastia and
Lung Carcinoma, by G. Vantrappen.
BELGIUM, per, Belg Tijdschr v
Geneesk, Vol XIII, No 26, 1957,
pp 1338-1339.
NAM 11-6-64

Sci-5511
Aug 65

287,450



62-22834

Verstraete, M.
SMOKING. SYMPATHECTOMY AND PERIPHERAL
ARTERIOLE INSUFFICIENCY. [1962] 12p.
Order from K-H \$15.00 K-H 9440 b

Trans. of Belgisch Tijdschrift voor Geneeskunde, 1959,
v. 15, no. 8, p. 383-389.

DESCRIPTORS: Smokes, Cigarettes, *Tobacco, *Sur-
gery, *Autonomic nervous system, *Blood circulation,
Arteries.

(Biological Sciences--Pathology, TT, v. 9, no. 6)

I. Verstraete, M.
II. K-H-9440-b
III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

Leukemia as Possible Complication of Irradiation
Therapy in Cervical Carcinoma, by N. Theiry, S.
Ringoir, 11 pp.

DUTCH, per, Nalg Tijdschr Geneesk, Vol XVII, No 10,
1961, pp 524-530.

AEC Tr-4956

Sci - Med
May 62

196,823

Verstraete, M.
THE DIAGNOSIS OF RENAL VASCULAR HYPER-
TENSION (De Diagnose van Renale Vasculaire
Hypertensie). [1963] 10p (figs tables [refs] omitted).
Order from SLA \$1.10 63-20225

Trans. of Belgisch Tijdschrift voor Geneeskunde, 1961,
v. 17, p. 881-892. No 9

DESCRIPTORS: Diagnosis, *Hypertension, *Kidneys,
*Angiography, *Blood circulation, Obstruction
(Physiology).

The various procedures used to diagnosis renal hyper-
tension are reviewed and evaluated. A history of
recent lumbar trauma preceeding the onset of a per-
sistent hypertension is an indication of renal circulatory
damage. An abdominal murmur which can be deter-
mined by careful auscultation is frequently present in
(Biological Sciences--Pathology, TT, v. 10, no. 12)
(over)

63-20225

1. Verstraete, M.

NIH 8-25-63
(LOAN)

Office of Technical Services

The Psychiatric Picture of Cerebral Arteri-
osclerosis, by A. Svrani.
DANISH, per, Helg T. Gammel, 18474-437,
2/62.
Dept HSM, NIH 8-10-65.

Sci-Biol & Med
Oct 65

290,281
222,640

Criminologic Considerations in Relation
to Cerebral Arteriosclerosis, by G.
Warren.
DUNISH, per, Belg T Garmack 18438-442,
1962.
Dept HLM, NIH 8-9-65.

Sci-Biol & Med
Oct 65

288,639

Subaortastenose: Type Spierstenose Subaortic
Stenosis of the Myostenotic Type, by J. Snoeck,
J. Verstraeten. 4 pp.
DUTCH, per, Belgisch Tijdschrift voor Geneeskunde
Vol 19, 1963, pp 638-643.
ETC TT-64-26244

Sci/B&M
Jun 67

327,782

Subaortic Stenosis of the Myxomatous Type, by
J. Snoeck, 5 pp.
DUTCH, per, Belgisch Tijdschrift voor Geneeskund,
Vol XIX, 1963, pp 648-653.
NIH 2-13-64

Sci - Biol & Med
Apr 64

253,748

Some Epidemiological Data on the Incidence of
Asthma in Childhood, by H. Vanekamp, et al,
BELGIUM, per, Belg T Genesek, Vol XX, No 5,
1964, pp 258-271.
IRIN-NIH-11-17-66

Sch-B&N
Jan 67

316,925

Difficulties and Errors in Routine Methods for
the Tracing of Pathological Sugar Excretion in
the Urine, by R.Valcke.

GERMAN, Belgisch Tijdschrift voor Geneeskunde,
Vol.20, pp.804-811, 1964.

SLA-TT-66-11628

Aug 66

309,331

Mitrinovic, D. S.
SOME FORMULAS CONCERNING THE LEGENDRE
POLYNOMIALS [Neke Formule Koje se Odnose na
Legendre-ove Polinome] tr. by M. Ollsen and
W. Hartman. 1960 [28]p. 21 refs.
Order from OTS or SLA \$2.60

62-24060

Trans. of [Belgrad U. Elektrotehnicki Fakultet.
Publikacije: "Serija Matematika i Fizika"] (Yugoslavia)
1956, no. 1 (p. 1-20).

DESCRIPTORS *Polynomials, *Integrals, Integration.

(Mathematics, TT, v. 10, no. 8)

62-24060

- I. Mitrinovic, D. S.
- II. National Bureau of
Standards, Boulder, Colo.

4-30-62

Office of Technical Services

(DC-2500/2)

Economic and Cultural Improvement of Women,
by Gyorgy Hajdu, 4 pp. UNCLASSIFIED

HUNGARIAN, gov, Bolgelsittet Sample, Vol I,
No 10, 11, Budapest, pp 71-75.

4.26
US JWS DC-2500

Ref - Sample Hungary
See
Jan 79

77,658

(DC-2500/2)

Nurseries and Play Schools, Gyorgy Hajdu, 2 pp.

HUNGARIAN, per, Szépirodalmi Szemle, Vol I,
No 10, 11, Budapest, 1958, pp 76-.

US JUNE 20-496

Klar - Hungary

See

Jan 59

80,497

DC-2500/2

Education and Employment of Youth, by Mihaly Fecake,
8 pp. UNCLASSIFIED

HUNGARIAN, per, Kezpolitikai Hszule, Vol I, No 10, 11,
Budapest, 1958, pp 77-82.

US JFNS DC-436

EUR - Hungary
Soc
Jan 59

78,620

(DC-2500/2)

Consumption of Foodstuffs in Hungary, by Mihaly
Zafir, 3 pp. UNCLASSIFIED

HUNGARIAN, per, Belpolitikai Szemle, Vol I,
No 10, 11, Budapest, 1958, pp 83-89.

US JPRS DC-436

RE: - Hungary

Sec

Jan 58

78,621

(DC-2/00/2)

Development of General Schools, by Istvan
Koren, 3 pp. UNCLASSIFIED

HUNGARIAN, Mag. Nelpolitikai Szemle, Vol I,
No 10, 11, Budapest, 1958, pp 97, 98.

US JPRS DC-436

EEur - Hungary
803
Jan 59

78,622

(DC-2500/2)

The Nationalized Motion Picture ~~in~~ Net Is Ten Years
Old, by Janos Tarnok, 5 pp. UNCLASSIFIED

HUNGARIAN, per, Socialistai Szemle, Vol I,
No 10, 11, Budapest, 1958, pp 99-102.

US JPRS DC-436

Editor - Hungary
Sec
Jan 59

78,623

(DCI-2500/2)

Cultural Work of the Trade Unions, by Odon
Kulcsar, 4 pp. UNCLASSIFIED

HUNGARIAN, per, Belpolitikai Irsak, Vol I, No 10,
11, Budapest, 1958, pp 103-105.

US JPRS DC-436

Ethur - Hungary
Soc
Jan 59

78,624

(DC-2500/2)

We Should Cultivate the Tradition of Workers' Sport Clubs, by Istvan Kadas, 3 pp. UNCLASSIFIED

HUNGARIAN, per, Magyar Politikai Hírlap, Vol I, No 10, 11, Budapest, 1958, pp 107, 108.

US JPRS DC-436

Kadar - Hungary

800

Jun 59

78,625